

Title (en)

Multijunction semiconductor device.

Title (de)

Halbleiteranordnung mit mehreren Übergängen.

Title (fr)

Dispositif semi-conducteur à multi-jonction.

Publication

EP 0177864 A2 19860416 (EN)

Application

EP 85112318 A 19850928

Priority

JP 21394484 A 19841011

Abstract (en)

A heat-resistant multijunction semiconductor device comprising a p-layer, an n-layer and a diffusion-blocking layer, the diffusion-blocking layer being provided between the p-layer and the n-layer. The semiconductor device can reduce the fall-down of quality which is caused by the diffusion of dopant atoms in the p-layer and n-layer, respectively, into the other layer.

IPC 1-7

H01L 29/06; **H01L 31/06**

IPC 8 full level

H01L 31/04 (2006.01); **H01L 25/07** (2006.01); **H01L 29/06** (2006.01); **H01L 29/868** (2006.01); **H01L 31/06** (2012.01); **H01L 31/075** (2006.01); **H01L 31/076** (2012.01); **H01L 31/20** (2006.01)

CPC (source: EP KR US)

H01L 25/074 (2013.01 - EP US); **H01L 29/868** (2013.01 - EP US); **H01L 31/076** (2013.01 - EP US); **H01L 31/10** (2013.01 - KR); **H01L 31/202** (2013.01 - EP US); **H01L 2224/32145** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **Y02E 10/548** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Cited by

FR2604563A1; WO8702183A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0177864 A2 19860416; **EP 0177864 A3 19870325**; **EP 0177864 B1 19901212**; AT E59116 T1 19901215; AU 4811085 A 19860417; AU 589568 B2 19891019; CA 1252229 A 19890404; CN 1003027 B 19890104; CN 85107988 A 19860410; DE 3580891 D1 19910124; JP S6191974 A 19860510; KR 860003675 A 19860528; KR 950001956 B1 19950307; RU 2050632 C1 19951220; US 4907052 A 19900306

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